Title: APPARATUS FOR PROVIDING DATA

DEPENDENT DETECTION IN A DATA READ CHANNEL

Applicants: Cideciyan, et al. Docket: HSJ920030151US1/HITG.047PA

Sheet 1 of 8

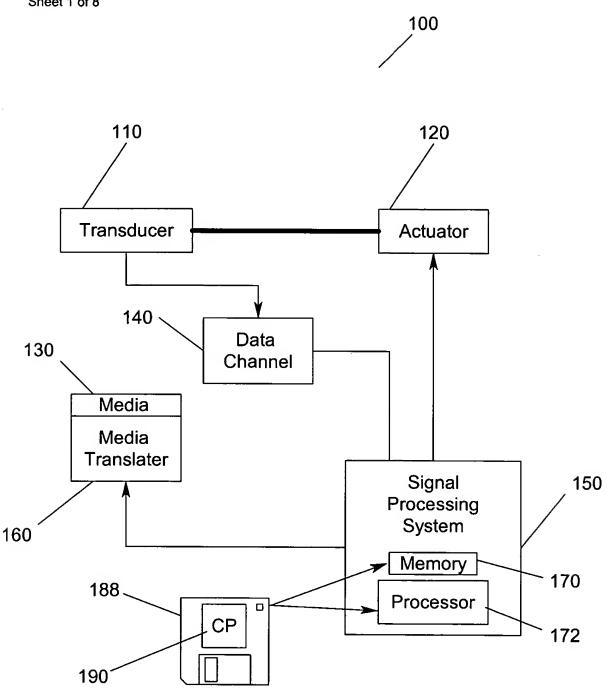


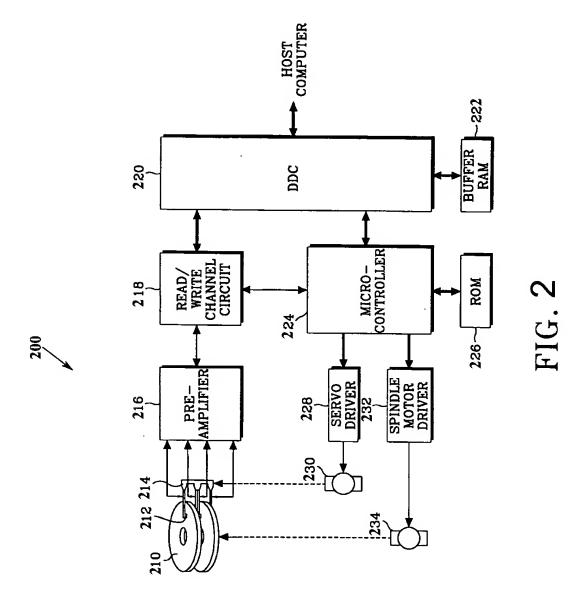
Fig. 1

Title: APPARATUS FOR PROVIDING DATA

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Applicants: Cideciyan, et al. Docket: HSJ920030151US1/HITG.047PA

Sheet 2 of 8



Title: APPARATUS FOR PROVIDING DATA DEPENDENT DETECTION IN A DATA READ CHANNEL Applicants: Cideciyan, et al. Docket: HSJ920030151US1/HITG.047PA Sheet 3 of 8

Fig. 3

Title: APPARATUS FOR PROVIDING DATA DEPENDENT DETECTION IN A DATA READ CHANNEL Applicants: Cideciyan, et al. Docket: HSJ920030151US1/HITG.047PA Sheet 4 of 8

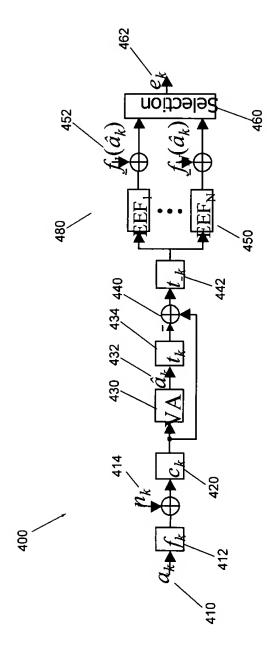


Fig. 4

DEPENDENT DETECTION IN A DATA READ CHANNEL Title: APPARATUS FOR PROVIDING DATA

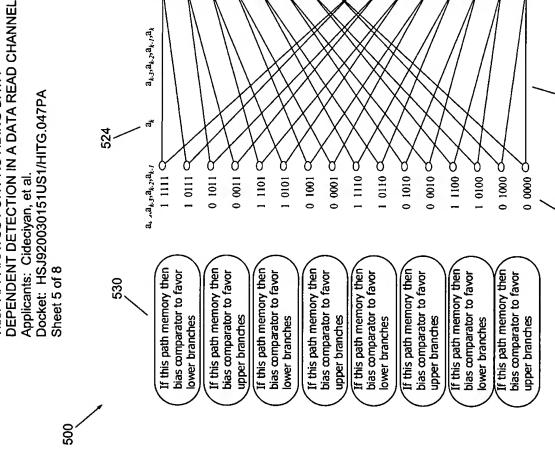
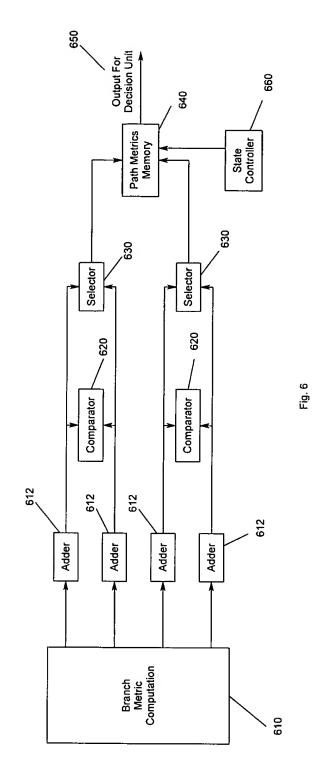


Fig. 5

520

510

Title: APPARATUS FOR PROVIDING DATA DEPENDENT DETECTION IN A DATA READ CHANNEL Applicants: Cideciyan, et al. Docket: HSJ920030151US1/HITG.047PA Sheet 6 of 8



ak.3,ak.2,ak.1,ak 724 ส้ 11 00 11 Q 10 1011 Q 01 0101 Q 01 0111 9 ∞ 1101 Q 10 1001 a 00 1110 G 11 000 G 01 01 10 a 01 1010 d 11 0010 d 8 II 8 G ak-4, ak-3, ak-2, ak-1 00 1111 DEPENDENT DETECTION IN A DATA READ CHANNEI If this path memory then 730 If this path memory then bias comparator to favor Title: APPARATUS FOR PROVIDING DATA Docket: HSJ920030151US1/HITG.047PA upper branches upper branches upper branches lower branches lower branches lower branches ak-3,ak-2,ak-1,ak Applicants: Cideciyan, et al. Sheet 7 of 8 S 1101 00 10 1101 Q 3k4,3k-3,3k-2,3k-1 10 1111 9 11 0111 Q 01 8011 A 11 0101 A 00 ا001 م 01 0001 A 10 1110 a 00 1010 a oi 0010 A 11 0110 0 10 1100 d If this path memory then bias comparator to favor upper branches upper branches lower branches lower branches upper branches lower branches 730 700 732-

734-

Fig. 7

720

710

712

720

710

oi oi⊗ α

If this path memory then

lower branches

= 0180 A 90 1000 A o1 0000 **Q**

If this path memory then

lower branches

bias comparator to favor

upper branches

bias comparator to favor

upper branches

Title: APPARATUS FOR PROVIDING DATA DEPENDENT DETECTION IN A DATA READ CHANNEL Applicants: Cideciyan, et al. Docket: HSJ920030151US1/HITG.047PA Sheet 8 of 8

800

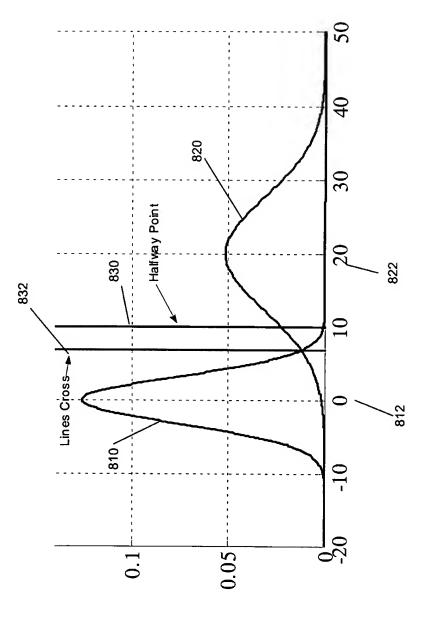


Fig. 8